

Claims

1. A liquid crystal display device comprising:
a light generating section to generate first light;
5 a polarizing member disposed on the light generating section so as to generate third light by polarizing and diffusing first light; and
a liquid crystal display panel disposed on the polarizing member to display an image by using third light and including a first substrate, a second substrate opposite to the first substrate and liquid crystal interposed between the first and second substrates.
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2. The liquid crystal display device as claimed in claim 1, wherein the polarizing member comprises:
a light-diffusing layer positioned in opposition to the light generating section so as to generate second light by diffusing first light; and
15 a polarizing layer disposed on the light-diffusing layer so as to generate third light by polarizing second light.
3. The liquid crystal display device as claimed in claim 1, wherein the polarizing member comprises:
20 a polarizing layer positioned in opposition to the light generating section so as to generate second light by polarizing first light; and
a light-diffusing layer disposed on the polarizing layer so as to generate third light by diffusing second light.
- 25 4. A liquid crystal display device comprising:
a light generating section to generate first light;
a semi-transmissive film disposed on the light generating section in order to

allow first light to pass therethrough and to partially reflect second light directed in opposition to first light;

a polarizing member disposed on the semi-transmissive film so as to generate fifth light by polarizing and diffusing first light and to generate sixth light by polarizing
5 and diffusing second light; and

a liquid crystal display panel disposed on the polarizing member to display an image by selectively receiving fifth light or sixth light and including a first substrate, a second substrate opposite to the first substrate and liquid crystal interposed between the first and second substrates.

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5. The liquid crystal display device as claimed in claim 4, wherein the polarizing member comprises:

a light-diffusing layer positioned in opposition to the semi-transmissive film so as to generate third light by diffusing first light and to generate fourth light by
15 diffusing second light; and

a polarizing layer disposed on the light-diffusing layer so as to generate fifth light by polarizing third light and to generate sixth light by polarizing fourth light.

20 6. The liquid crystal display device as claimed in claim 5, wherein the light-diffusing layer has a haze value above 20%.

7. The liquid crystal display device as claimed in claim 5, wherein the light-diffusing layer comprises coating material coated on one surface of the polarizing layer and scattering material mixed with coating material.

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8. The liquid crystal display device as claimed in claim 7, wherein coating material comprises acryl-based resin and scattering material includes silica particles.

9. The liquid crystal display device as claimed in claim 4, wherein the polarizing member comprises:

5 a polarizing layer positioned in opposition to the semi-transmissive film so as to generate third light by polarizing first light and to generate fourth light by polarizing second light; and

10 a light-diffusing layer disposed on the polarizing layer in opposition to the first substrate so as to generate fifth light by diffusing third light and to generate sixth light by diffusing second light.

10. The liquid crystal display device as claimed in claim 4, wherein the second substrate comprises a color filter and a first electrode and the first substrate comprises a switching device and a second electrode opposite to the first electrode.

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